



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200
Fax 613 632-5246

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
P0042501	ACI001-VC	8	1	Net 30	MT-4140-S-1.625X5.000	4140 Steel Sheet 1.625 X 5.000 : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft			6	2/21/2019	6		S155854	Stock	2/21/2019	\$ 101.17 / ft	1		\$607.00	Acier Ouellette Inc.
		9			MT-4140-S-0.500X10.000	AISI 4140 Steel Sheet/Plate : AISI 4140N STEEL SHEET OR PLATE AS PER ASTM A829 OR AMS 6395 MIN: ROCKWELL C = 28 RC MAX: ROCKWELL C = 32 RC			36		36		S155855	Stock	2/21/2019	\$ 52.50 / ft	1		\$1,890.00	Acier Ouellette Inc.
										Total:	42								\$1,899.66	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO042501



Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO042501

PO Date: 2/5/19

Due Date: 2/15/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
FEB 06 2019

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: sou0159739

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M304S14GA ✓		304SS sheet .080 - : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed -		2/15/19	32 sf	0 sf	32 sf	\$10.333/sf	\$330.66
2		M304S18GA ✓		304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed -		2/15/19	128 sf	0 sf	128 sf	\$7.621/sf	\$975.49
3		M6061T6R1.500		6061-T6 Round Bar 1.50 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed -		2/15/19	20 ft	0 ft	20 ft	\$6.7665/ft	\$135.33
4		M6061T6R4.000		6061-T6 Round Bar 4.000" : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed -		2/15/19	6 ft	0 ft	6 ft	\$49.78666/ft	\$298.72



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Canada

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PURCHASE ORDER PO042501



Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
5		M6061T6R5.000		6061-T6 Round Bar 5.000" : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	-	2/15/19	12 ft ✓ 12 ft	0 ft	12 ft	\$74.461666/ft	\$893.54
Line Item Note cut in section of 6 ft												
6 ✓ AK		M304R0.750		304 SS Roundbar .750 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	2/15/19	72 ft ✓ 73 ft	0 ft	72 ft	\$4.8958333/ft	\$352.50
7 ✓ AK		M303R0.750		303 Round Bar 0.750 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft	Firmed	-	2/15/19	36 ft ✓ 41.33	0 ft	36 ft	\$5.4063888/ft	\$194.63
8 ✓ AK		MT-4140-S-1.625X5.000		4140 Steel Sheet 1.625 X 5.000 : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft	Firmed	-	2/21/19	6 ft ✓ 6 ft	0 ft	6 ft	\$101.16666/ft	\$607.00
9 ✓ AK		MT-4140-S-0.500X10.000		AISI 4140 Steel Sheet/Plate : AISI 4140N STEEL SHEET OR PLATE AS PER ASTM A829 OR AMS 6395 MIN: ROCKWELL C = 28 RC MAX: ROCKWELL C = 32 RC	Firmed	-	2/21/19	36 ft ✓ 36 ft	0 ft	36 ft	\$52.50/ft	\$1,890.00
10 ✓ AK		M1018R0.625		M1018R0.625 : MATERIAL: AISI 1018-1025 ROUND BAR AS PER MIL-S-7097 OR ASTM A108 receive ft	Firmed	-	2/15/19	20 ft ✓ 18.75	0 ft	20 ft	\$1.206/ft	\$24.12



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PURCHASE ORDER

PO042501



Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
11 ✓ AT		M6061T6B0.375X2.000		6061-T6 Bar .375 X 2.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	2/15/19	20 ft	0 ft	20 ft	\$3.3295/ft	\$66.59
12 ✓ AT		M6061T6B1.000X06.000		6061T6 Bar 1.00 X 6.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	2/15/19	12 ft	0 ft	12 ft	\$28.1925/ft	\$338.31
13 ✓ AT		M6061T6B2.000X02.000		6061-T6 Bar 2.00 X 2.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	2/15/19	12 ft	0 ft	12 ft	\$17.449166/ft	\$209.39
14 ✓ AT		M1018B0.500X01.500		1010-1025 Steel Bar .500 X 1.500 : MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft	Firmed	-	2/15/19	12 ft	0 ft	12 ft	\$3.721666/ft	\$44.66
Grand Total:											\$6,360.93	

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable). No Raw Metals from China or Soviet Bloc Countries
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program.

A049 supplier awareness.

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

**ACIER OUELLETTE INC.**

935, Boul. du H vre

Salaberry de Valleyfield (Qu bec) J6S 5L1

T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation**SOU0159739****Billed to**

DART AEROSPACE LTD

1270 , ABERDEEN ST.

HAWKESBURY, Ontario, K6A 1K7

Shipped to

1270 , ABERDEEN ST.

HAWKESBURY, Ontario, K6A 1K7

Att :   VALIDER

Customer N 

CLI0001056

Date

2019/02/01

Revision N 

0

Prices valid until**2019/02/08****Your Order N ****Processed by**

Josianne Bourdon

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

1

Product N� and description	Weight	Qty U/M	Qty U/M	Price	Pcs Nb	Price	Amount
ALU SHEET .081 (12G) 2024-T3 (4 X 12) FEAL-0814122024 3192 1 X 4' X 12' 4-5 DAYS	54.77	48.00 PI2_\$CLB	1.00 UN		1.00	1 144.620	1 144.62 23.84625
ALU SHEET .040 (18G) 2024-T3 4B (4 X 12) FEAL-0404122024B 3118 2 X 4' X 12' STOCK	54.05	96.00 PI2_\$CLB	2.00 UN		2.00	564.790	1 129.58 11.766458
SHEET SS 14G SS304-2B (4 X 8) FESS-14G483042B 3412 1 X 4' X 8' STOCK	104.99	32.00 PI2_\$CLB	1.00 UN		1.00	330.670	330.67 10.333
PALETTE PALETTE 7573	0.00	1.00 UN_\$UN	1.00 UN_\$UN		1.00	40.000	40.00
SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425 4 X 4' X 8' STOCK 1285F	268.80	128.00 PI2_\$CLB	4.00 UN		4.00	243.902	975.61 7.6219
PALETTE PALETTE 7573	0.00	1.00 UN_\$UN	1.00 UN_\$UN		1.00	40.000	40.00
ALU SHEET .040 (18G) 6061-T6 (4 X 12) FEAL-0404126061 3121 4 X 4' X 12' 2-3 DAYS 1285F	108.10	192.00 PI2_\$CLB	4.00 UN		4.00	202.937	811.75 6.3417968
ROUND ALU 6061-T6 1 1/2 * RAL-112 5119 1 X 20' STOCK	41.52	20.00 PI_\$CLB	20.00 PI		1.00	135.330	135.33 6.7665
ROUND ALU 6061-T6 4 * RAL-4 5163 1 X 6' STOCK	88.58	6.00 PI_\$CLB	6.00 PI		1.00	298.720	298.72
SAW CUT SCIE 1		1.00 UN	1.00				49.78666
ROUND ALU 6061-T6 4 1/4 NS RAL-414 8915 1 X 6' 7-10 DAYS	100.00	6.00 PI_\$CLB	6.00 UN_\$UN		1.00	660.920	660.92 110.15333

Date :

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du H vre

Salaberry de Valleyfield (Qu bec) J6S 5L1

T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation**SOU0159739****Billed to**

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7**Shipped to**1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att :   VALIDER

Customer N 

CLI0001056

Date

2019/02/01

Revision N 

0

Prices valid until

2019/02/08

Your Order N **Processed by**

Josianne Bourdon

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

2

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND ALU 6061-T6 5 * RAL-5 5170 2 X 6' 2-3 DAYS SAW CUT SCIE 1	276.48	12.00	PI_\$CLB	12.00	PI		2.00	446.770	893.54
		2.00	UN	2.00					74.461666
ROUND SS 304 3/4 (R) RSS-34 5762 3 X 12' R/L STOCK	54.07	36.00	PI_\$CLB	36.00	PI		3.00	58.750	176.25
									4.8958333
ROUND SS 303 3/4 (R) RSS-34303 5761 3 X 12' R/L STOCK	54.07	36.00	PI_\$CLB	36.00	PI		3.00	64.876	194.63
									5.4063888
ROUND SS303 7/8" DIA N 1 X 12' R/L 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	145.000	145.00
									12.08333
ROUND 4140 HT 1/2 (R) R4140-12H 4907 1 X 12' R/L STOCK	8.02	12.00	PI_\$CLB	12.00	PI		1.00	45.290	45.29
									3.7741666
ROUND 4140 HT 2 1/4 (R) R4140-214H 4927 1 X 6' STOCK	81.12	6.00	PI_\$CLB	6.00	PI		1.00	183.290	183.29
									30.5483333
PLATE 4140 1/2 X 1 5/8 N 1 X 12' 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	255.000	255.00
									21.25
PLATE 4140 1 5/8 X 5 N 1 X 6' 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	607.000	607.00
									101.166666
PLATE 4140 1/2 X 10 N 1 X 12' 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	630.000	630.00
									52.50

Date :

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation**SOU0159739****Billed to**

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att : À VALIDER

Customer N° CLI0001056
Date 2019/02/01
Revision N° 0
Prices valid until 2019/02/08
Your Order N°
Processed by Josianne Bourdon
Salesman JOSIANNE
Carrier OUELLE SDV
Credit Terms Net 30 Days
Page 3

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
PLATE 4140 1 X 10 N 2 X 6' 7-10 DAYS	0.00	2.00	UN	2.00	UN		2.00	584.000	1 168.00 97.3333
PLATE 4140 1 1/4 X 1 1/2 N 1 X 12' 7-10 DAYS FROM PLATE	0.00	1.00	UN	1.00	UN		1.00	370.000	370.00 30.8333
PLATE 4140 1 1/2 X 2 N 1 X 6' 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	305.000	305.00 50.8333
ROUND CR 5/8 1018 (R) RCR-58 5351 ✓ 1 X 20' R/L STOCK	20.80	20.00	PI_\$CLB	20.00	PI		1.00	24.120	24.12 1.206
FLAT ALU 3/8 X 2 6061-T6 * FAL-382 2617 ✓ 1 X 20' STOCK	18.00	20.00	PI_\$CLB	20.00	PI		1.00	66.590	66.59 3.3295
FLAT ALU 1 X 6 6061-T6 * FAL-16 2536 ✓ 1 X 12' STOCK	84.59	12.00	PI_\$CLB	12.00	PI		1.00	338.310	338.31 28.1925
SQUARE ALU 6061-T6 2 * CAL-2 1785 ✓ 1 X 12' STOCK	56.45	12.00	PI_\$CLB	12.00	PI		1.00	209.390	209.39 17.449166
TUBE ALU 1 1/4 X 1 1/4 X .120 6061-T6 R TAL-114114120R 6312 5 X 20' ROND CORNER STOCK	57.10	100.00	PI_\$CLB	100.00	PI		5.00	43.618	218.09 X
ROUND SS 17-4 2 1/2 NS RSS-212174 11370 1 X 12' R/L 7-10 DAYS	200.28	12.00	PI_\$CLB	12.00	PI		1.00	1 393.850	1 393.85 116.15414
PLAT SS.17-4 PH 1 1/4 X 2 N 1 X 12' R/L 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	1 270.000	1 270.00 105.8333

Date :

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du H vre

Salaberry de Valleyfield (Qu bec) J6S 5L1

T l.: 450-377-4248 M l: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 M l: 514-336-4246 Ext.: 866-456-4242

Quotation**SOU0159739****Billed to**

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7**Shipped to**1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att :   VALIDER

Customer N 

CLI0001056

Date

2019/02/01

Revision N 

0

Prices valid until**2019/02/08****Your Order N ****Processed by**

Josianne Bourdon

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

4

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND SS 17-4 3/4 NS RSS-34174 9268 3 X 12' R/L STOCK	54.07	36.00	PI_\$CLB	36.00	PI		3.00	153.203	459.61
FLAT CR 1/2 X 1 1/2 1018 (R) FCR-12112 2681 1 X 12' R/L STOCK	30.60	12.00	PI_\$CLB	12.00	PI		1.00	44.660	44.66
PLAT C.R. 1018 1 1/2 X 1 3/4 N 1 X 12' 2-3 DAYS	0.00	1.00	UN	1.00	UN		1.00	215.000	215.00
FUEL CHARGE FRAIS_ENERGETIQUE NOTE : ATTENTION: MILL TEST REQUIS			\$						3.95

Total Weight (Lbs)

1 816.46

Important

This offer is based on the availability, the price of material can change without notice in function of the evolution of the current market prices and international importation fees.

This offer is subject to credit approval.

Approved and Accepted by : _____

Date : _____

Sub-total

14 783.77

TVH-13   1921.89

Total (\$CAD)**16 705.66**



ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

DELIVERY - CLIENT

Copy

CO00131332

Billed to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att :

Instruction F-M

Delivery Route 5

Customer N° CLI0001056

Date 2019/02/06

Delivery date 2019/02/21

Your order N° PO042501

Processed by Josianne Bourdon

Salesman

Carrier OUELLETTE VALLEYFIELD

Credit Terme Net 30 Days

Product Description	Weight	Qty	UM	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
1 PLATE 4140 HT 1 5/8 NS P4140-158H 1 X 5" X 72" PO 042501 LINE 8 HEAT 284776 AT AC23472-FU-20/02	165.82	2.50	PI2_\$CLB							
2 PLATE 4140 HT 1 2 NS P4140-12H 3 X 10" X 144" PO 042501 LINE 9 HEAT 300188 AT AC23472-FU-20/02	612.60	30.00	PI2_\$CLB							
	1.00	UN_\$UN								

Note : ATTENTION: MILL TEST REQUIS

Conditions :

All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Total Weight (Lbs) : 778.42

NIR : R-109516-6

Prepared By:

Verified By:

Delivered By:

Date

Customer's Signature

131332
DartChemical certification
Certification chimique

23472N

2P

Order Num / No. Commande AC-23472	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA SIJ ACRONI	Date 08/08/13	Heat / coulée 284776	Material ID # / No. matière
Grade / Nuance 4140 PLT	Conditions HEAT TREATED Q&T				
Shape / Forme FLT	Size / Dimension 1.625	Specifications ASTM A434 / SAE J404 / ASTM A829-06			

Chemical composition / Analyse chimique

Carbon (C)		Silicon (Si)		Manganese (Mn)		Phosphorus (P)	
Mini / maxi	0.3700 / 0.4400	0.1500 / 0.3500		0.6500 / 1.1000		0.0100 / 0.0190	
Actuel %	0.411	0.240		0.780		0.007	
Sulphur (S)		Chromium (Cr)		Nickel (Ni)		Molybdenum (Mo)	
Mini / maxi	0.0200 / 0.0400	0.7500 / 1.2000		0.1000 / 0.2000		0.1500 / 0.2500	
Actuel %	0.031	1.000		0.000		0.170	
Copper (Cu)		Vanadium (V)		Aluminum (Al)		Tungsten (W)	
Mini / maxi	0.1900 / 0.2900	0.0400 / 0.0500		0.0000 / 0.0000		0.0000 / 0.0000	
Actuel %	0.000	0.040		0.000		0.000	
Cobalt (Co)		Titanium (Ti)					
Mini / maxi	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000		0.0000 / 0.0000	
Actuel %	0.000	0.000	0.000	0.000		0.000	

Mechanical properties / Propriétés Mécaniques

Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000 PSI	0.000 PSI	0.00	0.00		321 BHN

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

M/
Prepared by: / Préparé par:

Heat: 284776

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	18-544	18.2.13	VM	ML

Line 1
MT-4140-S-1.625X3.500

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
 MINIMUM ROCKWELL C = 28 Rc
 MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: ASTM A829, AMS 6395

PART NUMBER: MT-4140-S-[T.TTT] x [W.WWW]
 WHERE "T.TTT" = THICKNESS IN INCHES
 WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

DART AEROSPACE Headquarters, Ontario, Canada	
TITLE: AISI 4140 / 4142 STEEL SHEET OR PLATE	
PART NO.	REV
MT-4140-S	A
TOTAL NO.	
DETAILS AND DATE	
DESIGNED BY:	VM 2/13/2018
DRAWN BY:	VM 02/13/2018
CHECKED BY:	VM 02/13/2018
APPROVED BY:	ML 02/13/2018
TOLERANCES	
FRACTIONS	± 1/16
DECIMALS	± 0.005
SURFACE	2.5
ROUGHNESS	3.1
SCALE: NTS	
SHEET 1 OF 1	
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-S-1.625X5-000

PO / BATCH NO.: P0042501/S155854

DATE: 1/20/22

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 1.625"

QUANTITY RECEIVED: 6FT

THICKNESS RECEIVED: 1.625"

QUANTITY INSPECTED: 6FT

SHEET SIZE ORDERED: —

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<u>(N)</u>	
CORRECT FINISH	<u>(Y)</u>	N	
CORROSION	Y	<u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u>	N	
CORRECT MATERIAL PER M-DRAWING	<u>(Y)</u>	N	<u>ASTM A829</u>
CORRECT THICKNESS	<u>(Y)</u>	N	
PHOTO REQUIRED	Y	<u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u>	N	<u>MT: 284776</u>
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u>	N	
CORRECT M# ON THE MATERIAL	<u>(Y)</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>61</u> 9-89	SIGNED OFF BY: _____
DATE: <u>FEB 22 2019</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Chemical certification Certification chimique

Order Num / No. Commande AC-23472	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 04/28/17	Heat / coulée 300188	Material ID # / No. matériel
Grade / Nuance 4140 PLT	Conditions HEAT TREATED; Q&T E+VD				
Shape / Forme PLT	Size / Dimension 0.500	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique				
Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)	
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190	
Actuel % 0.400	0.227	0.814	0.008	
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)	
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500	
Actuel % 0.001	0.970	0.240	0.170	
Cooper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)	
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000	
Actuel % 0.178	0.035	0.025	0.000	
Cobalt (Co)	Titanium (Ti)			
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.000	0.000	0.000	0.000
Mechanical properties / Propriétés Mécaniques				
Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC
0.000 PSI	0.000 PSI	0.00	0.00	
				Surface Hd / Dureté
				295-315 BHN

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

M

Prepared by: / Préparé par:

Heat: 300188

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	18-544	18.2.13	VM	ML

Line 2.
MT-4140-S-0.500x10.000

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
 MINIMUM ROCKWELL C = 28 Rc
 MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: ASTM A829, AMS 6395

PART NUMBER: MT-4140-S-[T.TTT] x [W.WWW]
 WHERE "T.TTT" = THICKNESS IN INCHES
 WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

DART AEROSPACE Headhunting, Ontario, Canada	
TITLE AISI 4140 / 4142 STEEL SHEET OR PLATE	
PART NO. MT-4140-S	REV A
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIMENSIONS APPLY AFTER FINISHING	
DESIGNED BY: VM 2/13/2018	TOLERANCES: FRACTIONS 1/16
DRAWN BY: VM 02/13/2018	XXX ± .005
CHECKED BY: VM 02/13/2018	XX ± .01
APPROVED BY: ML 02/14/2018	X ± .1
SCALE: NTS	SHEET 1 OF 1
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MG 4140-S-0.500x10.000
 DATE: 19/02/21

PO / BATCH NO.: P0042501/5155855

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 36 FT
 QUANTITY INSPECTED: 36 FT
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500"
 THICKNESS RECEIVED: 0.521"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	ASTM A829
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	MT: 300188
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>61</u> DATE: <u>FEB 22 2019</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in